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平成 30 年度 総合分析実験センターセミナー

― 第 5 回 ―

日時： 平成 30 年 7 月 6 日（金曜日） 18:00～

場所： 佐賀大学農学部 1 号館 2 階第 4 講義室

演者： Dr. Mie Mie Kyaw

Senior lecturer, Department of Zoology, University of Mandalay, Myanmar

演題： Ecological assessment of the food web structure and biological production system of fishery resources in rivers

要旨： Environmental contaminants mainly effects ecological food web and biological richness especially aquatic life including fish species as well as the socioeconomic condition of local indigenous people. It is necessary to implement effective assessments on environmental contaminants and to reduce its negative effects on the food web, biological production and well-being of the indigenous group. It is important to understand and identify the main sources and types of environmental contaminants and its effect on aquatic life. From the ecological point of view, water resources and environmental deteriorations directly affect fishery population dynamics and its diversity. An efficient adaptive management approach to biological conservation, livelihoods of indigenous people, fisheries sector, conservation on regional riverine resources regarding (1) the identification of the main environmental contaminants and their effects, (2) the monitoring of physico-chemical indicators, (3) the measurement of biological indicators such as macro invertebrate and fish diversity, (4) the use and development of analytical technique concerning biological production system and trophic level analysis, and effective tool of ecosystem-based management of fishery resources & biological processes. Pollution control management and water resource conservation system directly affect sources of fisheries sector including important species survival as dolphins and sustainability of indigenous livelihoods for community development.

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